

Title (en)
Lamination stack for an electrical machine stator

Title (de)
Blechpaket eines Stators für elektrische Maschinen

Title (fr)
Paquet de tôles pour un stator de machine électrique

Publication
EP 2587631 A3 20180321 (EN)

Application
EP 12189537 A 20121023

Priority
US 201113280840 A 20111025

Abstract (en)
[origin: EP2587631A2] An electrical machine stator 22 is disclosed that includes a stack of laminations 102 configured to be assembled together so as to define at least one stator tooth 108. The stack of laminations 102 may include a plurality of nesting laminations and a plurality of shim laminations. Each nesting lamination 102 may include a first edge section, a second edge section and a middle section extending between the first and second edge sections. At least one of the first edge section and the second edge section of each nesting lamination 102 may be configured to be engaged against at least one of the first edge section and the second edge section of an adjacent nesting lamination when the stack of laminations is assembled together. Additionally, at least one shim lamination 132 may be disposed between each pair of adjacent nesting laminations 102.

IPC 8 full level
H02K 1/14 (2006.01); **H02K 7/18** (2006.01); **H02K 16/02** (2006.01); **H02K 21/12** (2006.01)

CPC (source: EP US)
H02K 1/146 (2013.01 - EP US); **H02K 16/02** (2013.01 - EP US); **H02K 21/12** (2013.01 - EP US); **H02K 7/1838** (2013.01 - EP US); **Y02E 10/72** (2013.01 - EP US)

Citation (search report)

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- [Y] US 3845340 A 19741029 - BROOKS K, et al
- [A] EP 2066005 A2 20090603 - GEN ELECTRIC [US]
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Designated contracting state (EPC)
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